

**US Army Corps of Engineers, St. Louis District
Applied River Engineering Center (AREC)**

MEETING NOTES

SUBJECT: Information gathering and discussion of design alternatives for the Vancill Towhead HSR Model.

This document is meant to summarize the information discussed in the Vancill Towhead HSR model meeting held on February 27, 2012 from 2PM to 3PM. See Enclosure 1 for a list of meeting attendees.

Ivan Nguyen was the lead river engineer for this model and led the discussion. He pointed out the repetitive dredging location in the Vancill Towhead reach that was being addressed by this HSR model, between river mile (RM) 68.0 and RM 67.0. He pointed out that dredging generally takes place in the middle of the river channel and disposal is generally along the left descending bank (LDB) side of the channel. See Enclosure 2 for a map of the dredging area.

Matt Mangan of the US Fish and Wildlife Service (USFWS) stated that in the reach being studied, there was a gravel bar along the right descending bank (RDB) at river mile RM 70.3. He also noted that some pallid sturgeon were found at the downstream end of the Vancill Towhead bar.

Missouri Department of Conservation (MDC) and Illinois Department of Natural Resources (IDNR) representatives, along with USFWS representatives, will be paying extra attention to the results of this model study because this area was originally intended to be the "control" site for the Herculaneum Project (NESP). However, due to limited NESP funding, Corps personnel may decide that the Vancill Towhead reach will utilize the Herculaneum reach as its control site. This decision will likely come after the results of the HSR model study are communicated.

The 3 environmental agencies present at the meeting were also interested in this area as it is a potential site for flexible dredge disposal pipe island creation. If an idea is put forward that greatly reduces or eliminates the need for repetitive dredging at Vancill Towhead, this area will drop off the list of candidates for flexible dredge pipe island creation. This river reach also contains the Trail of Tears State Park boat ramp. This boat ramp is behind the trail dike 66.7R and is frequently inaccessible due to sedimentation buildup behind the end of the trail dike.

Representatives of the navigation industry pointed out that fleeting and loading operations should be accounted for adjacent to Tower Rock Quarry along the LDB at RM 71.6.

Ivan pointed out to Ed Henleben and others that he was aware of 3 exchange points for navigation traffic in the area. They are along the RDB and LDB at RM 68.2 and along the LDB at RM 66.7. No other exchange points were noted in this river reach.

Carondelet and Vancill Towhead HSR Model Study

February 27th at 1PM

Rodgers, Michael	
Butch Atwood	<i>Butch Atwood</i>
Brown, Danny	<i>Danny Brown</i>
Jim Mick	
Collins, Joyce	
Matthew_Mangan	<i>Matthew Mangan</i>
Robert.Hrabik	
Sternburg, Janet	
Engle, Lance	<i>✓ Lance Engle</i>
Frerker, Charles F	
Gordon, David	
Johnson, Brian L	<i>Brian Johnson</i>
Lamm, Dawn	<i>Dawn Lamm</i>
Schimpf, Andrew	
Terry, Rottler	
Henleben, Ed ✓	<i>Ed Henleben</i>
Hughes, Shannon	<i>Shannon Hughes</i>
QC Harris	
Tim. Robinson	
Bequette, Terry	
Markenson, Sarah	<i>Sarah Markenson</i>
Mark.Boone	
Dave Knuth	<i>Dave Knuth</i>
Bernard.Heroff	
Chris Kennedy	
Zobrist, Tyson	

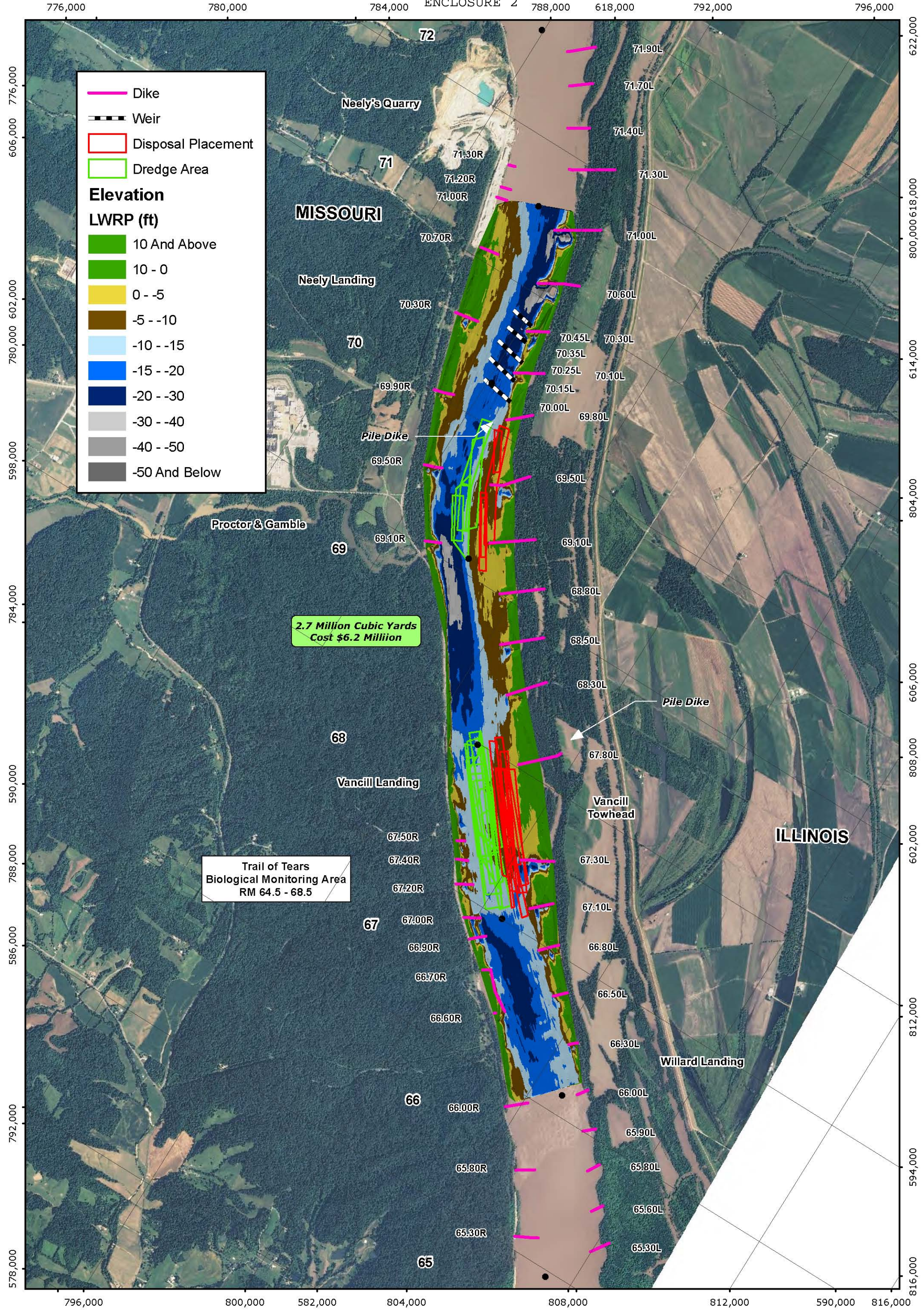
HASSLER, Paul ✓

CHRISTENSEN, Ryan USCG
David Osterlund MDE
 GARY PATTERSON
 KAT MCCAIN, USACE

Re W

MS

Jim W. Poth
Kat McCain



Dike

Weir

Disposal Placement

Dredge Area

Elevation

LWRP (ft)

10 And Above

10 - 0

0 - -5

-5 - -10

-10 - -15

-15 - -20

-20 - -30

-30 - -40

-40 - -50

-50 And Below

2.7 Million Cubic Yards
Cost \$6.2 Million

Trail of Tears
Biological Monitoring Area
RM 64.5 - 68.5

PLATE
NUMBER

01,2502,5005,000

Feet

DREDGE & PLACEMENT

2010 HYDRO SURVEY

U.S. ARMY ENGINEERING DIVISION CORPS OF ENGINEERS ST. LOUIS, MISSOURI	DRAWN BY: I. NGUYEN	REVIEWED BY:
	SUBMITTED BY:	CHECKED BY:
MIDDLE MISSISSIPPI BASIN VANCILL TOWHEAD HSR MODEL REG WORKS 2012	PLOT DATE:	APPROVED BY:
	FILE NAME: ..VANCILL TOWHEAD.MDX	

